PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	See Form PCT/IPEA/416
PD53593PC		
International application No.	International filing date *(day/month/year)*	Priority date *(day/month/year)*
PCT/EP2004/012392	03.11.2004	04.11.2003

International Patent Classification (IPC) or national classification and IPC
G06F17/30

Applicant
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1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 8 sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising:
   a. ☒ *sent to the applicant and to the International Bureau)* a total of 5 sheets, as follows:
      ☒ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
      ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
   b. ☐ *(sent to the International Bureau only)* a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

4. This report contains indications relating to the following items:

☒	Box No. I	Basis of the opinion
☐	Box No. II	Priority
☐	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
☐	Box No. IV	Lack of unity of invention
☒	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
☐	Box No. VI	Certain documents cited
☐	Box No. VII	Certain defects in the international application
☐	Box No. VIII	Certain observations on the international application

Date of submission of the demand	Date of completion of this report
20.06.2005	13.12.2005

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/EP2004/012392

Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

   ☐ This report is based on translations from the original language into the following language , which is the language of a translation furnished for the purposes of:
   - ☐ international search (under Rules 12.3 and 23.1(b))
   - ☐ publication of the international application (under Rule 12.4)
   - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the **elements*** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

Description, Pages	
1-14	as originally filed
Claims, Numbers	
1-19	received on 20.06.2005 with letter of 20.06.2005
Drawings, Sheets	
1/4-4/4	as originally filed

   ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing

3. ☐ The amendments have resulted in the cancellation of:
   - ☐ the description, pages
   - ☐ the claims, Nos.
   - ☐ the drawings, sheets/figs
   - ☐ the sequence listing *(specify)*:
   - ☐ any table(s) related to sequence listing *(specify)*:

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
   - ☐ the description, pages
   - ☐ the claims, Nos.
   - ☐ the drawings, sheets/figs
   - ☐ the sequence listing *(specify)*:
   - ☐ any table(s) related to sequence listing *(specify)*:

* *If item 4 applies, some or all of these sheets may be marked "superseded."*

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	15-18
	No:	Claims	1-14, 19
Inventive step (IS)	Yes:	Claims	
	No:	Claims	1-19
Industrial applicability (IA)	Yes:	Claims	1-19
	No:	Claims	

2. Citations and explanations (Rule 70.7):

see separate sheet

Re: Item 1

The following application documents form the basis of the written opinion:

Description, pages:

1-14 as originally filed

Claims, No.:

1-19 with letter dated 20/06/2005 received on 20/06/2005

Drawings, No.;

1-8 as originally filed

Re: Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. The following documents (D1-D3) are referred to in this communication, the numbering will be adhered to in the rest of the procedure:

D1: US-A1-2003140056 (WALL C.E. ET AL.) 24 July 2003 (2003-07-24)
D2: US-B1-6553310 (LOPKE M.S. ET AL.) 22 April 2003 (2003-04-22)
D3: US-B1-6381603 (CHAN J. ET AL.) 30 April 2002 (2002-04-30)

2. The application does not meet the requirements of Article 6 PCT, because claims 1-19 are not clear for the following reasons:

2.1 When trying to interpret the above mentioned claims in the light of the description the

following is noticed:

2.1a A "travel scheme" is mentioned in claims 1-19 but its meaning is not clear from its normal use in the relevant art.

2.1b For the purpose of search and examination, an interpretation of "travel scheme" has been made which is of a "travel map" based on page 8, lines 40 to 42 of the description.

3. Furthermore, it also appears that independent claims 1, 6, 8, 13, 15, 16, 17, 18, 19 do not meet the requirements of Article 33(1) PCT, because the subject matter of claims 1, 6, 8, 13, 19 is not new in the sense of Article 33(2) PCT and the subject matter of claims 15, 16, 17, 18 is new in the sense of Article 33(2) PCT but not inventive in the sense of Article 33(3) PCT for the following reasons:

3.1 Document D1 discloses (references in parentheses applying to this document) the following features of independent claim 1:

- method for enabling organizing data in relation to fix points of geographic locations (see abstract: as both a system and a method is disclosed, a method-method comparison is being made with claim 1), comprising the steps of:
- obtaining at least one said fix point related to a travel scheme (see paragraphs [0008], [0018], Figure 1: a standard feature is disclosed of a global positioning system which is that the fix point of the latitude and longitude of a earth-based receiver is obtained in relation to the scheme associated with the time difference for signals from different satellites reaching the receiver; a standard feature is also disclosed of a global positioning system providing location based services which is that the fix point of a site of interest is obtained within the scheme associated with a geographic location)
- obtaining at least a link to electronic media data under the control of a user (see paragraph [0022, Figure 2B]: a user is disclosed using a PDA with a keypad for entering commands to facilitate the display of information such as graphics or text which is an example of exercising control in obtaining a link to electronic media data)
- determining position of said user, associating the position of the user with a fix point (see

paragraph [0018]: the position coordinates of the user information retrieval device are determined by being associated with the fix point obtained using the global positioning device), and
- associating said obtained data with said at least one fix point so that a link from said at least one fix point to the associated data can be provided to the user (see paragraph [0026])

These are all the features of independent claim 1, thus the subject matter of claim 1 is not new.

3.2 Document D1 discloses (references in parentheses applying to this document) the following features of independent claim 6:

- method for organising data in relation to fix points of geographic locations (see abstract) comprising:
- obtaining at least one fix point, providing a travel scheme for fix points, placing said at least one fix point in a scheme (see paragraphs [0008], [0018], Figure 1: as already noted, a standard feature is disclosed of a global positioning system which is that the fix point of the latitude and longitude of a earth-based receiver is obtained in relation to the scheme associated with the time difference for signals from different satellites reaching the receiver; a standard feature is also disclosed of a global positioning system providing location based services which is that the fix point of a site of interest is obtained within the scheme associated with a geographic location)
- in order to enable a portable device to:
- obtain at least one fix point related to the travel scheme, obtain at least a link to electronic media data under the control of a user (see paragraph [0022, Figure 2B]: as already noted, a user is disclosed using a PDA with a keypad for entering commands to facilitate the display of information such as graphics or text which is an example of exercising control in obtaining a link to electronic media data)
- determine position of said user (see paragraph [0018]), and
- associate said obtained data with said at least one fix point so that a link from said at least one fix point to the associated data can be provided to the user, in relation to said

scheme so that a link from said at least one fix point to the associated data can be provided to the user, in relation to said travel scheme (see abstract, paragraph [0026])

These are all the features of independent claim 6, thus the subject matter of claim 6 is not new.

3.3 Similarly, Document D1 discloses all of the features of independent claims 1 and 6: (see abstract, column 1, lines 27 to 35, column 2, lines 11 to 30, column 6, lines 20 to 36, Figure 1: the fix point of the latitude and longitude of a earth-based receiver is obtained in relation to the scheme associated with the time difference for signals from different satellites reaching the receiver; the fix point of a site of interest is obtained within the scheme associated with a geographic location; obtaining data from user specific queries addressed through Internet search capabilities is an example of obtaining electronic media data under the control of a user). D3 also discloses all the features of independent claim 1 (see column 5, lines 39 to 47, Figure 2, column 5, line 65 to column 6, line 26, Figure 5: the fix point of the latitude and longitude of a earth-based receiver is obtained in relation to the scheme associated with the time difference for signals from different satellites reaching the receiver; the fix point of a site of interest is obtained within the scheme associated with a geographic location).

The subject matter of claims 1 and 6 is thus not new in relation to the disclosure of documents D2 and D3.

3.4 Document D1 also discloses a portable electronic device, electronic communication device and electronic communication system for implementing the method of claim 1 (see abstract, paragraphs [0018], [0022]). Therefore, the subject matter of independent system claims 8, 13 and 19 is not new.

3.5 Similarly, Document D2 (see abstract, column 6, lines 20 to 36, Figure 1) also discloses all of the features of independent claim 8, 13 and 19 and thus the subject matter of independent claims 8, 13 and 19 is not new.

3.6 It would be obvious to a person skilled in the art to implement system claim 19 as a computer program product or as a computer program element comprising computer program code means. The problem which is supposed to be solved by the claimed invention is a standard problem for a geographical positioning system providing location-based services namely connecting obtained data with the location where data was obtained in a scheme related to said location: Documents D1-D3 all provide examples of systems solving this problem. Therefore, the subject matter of independent claims 15, 16, 17, and 18 is new but not inventive.

4. Dependent claims 2-5, 7, 9-12, 14 do not appear to contain any additional features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT with respect to novelty (Article 33(2) PCT):
- the additional features of claims 2, 3 are disclosed in D1 (see paragraph [0018]) and D2 (see column 2, lines 11 to 30)
- the additional features of claim 4 are disclosed in D1 (see paragraph [0022]: a facility for data storage is a standard feature of a PDA) and in D2 (see column 6, lines 20 to 36, Figure 1)
- the additional features of claims 5 and 7 are disclosed in D1 (see paragraph [0026]) and in D2 (see column 1, lines 27 to 35)
- the additional features of claims 9 , 10, 11, 12 and 14 are disclosed in D1 (see paragraphs [0018], [0022]) and in D2 (see column 6, lines 20 to 36, Figure 1)

CLAIMS

1. Method for enabling organizing data in relation to fix points of geographic locations, comprising the steps:
   - obtaining at least one said fix point related to a travel scheme (step 807),
   - obtaining at least a link to electronic media data under the control of a user (step 808),
   - determining position of said user (step 810),
   - associating the position of the user with a fix point (step 814), and
   - associating said obtained data with said at least one fix point (step 816),

   so that a link from said at least one fix point to the associated data can be provided to the user.

2. Method according to claim 1, in which the step:
   - associating said obtained data comprises associating data obtained at the position of the user with the fix point associated with the position of the user (step 816).

3. Method according to claim 1 or 2, further comprising the steps of:
   - providing a travel scheme (step 802), and
   - connecting said at least one fix point to said travel scheme (step 806).

4. Method according to any one of claims 1 - 3, further comprising the step of:
   - storing the associated data (step 818).

5. Method according to any one of claims 1 - 4, further comprising the step of:
   - providing a link from the at least one fix point to the associated data (step 820).

6. Method for organizing data in relation to fix points of geographic locations, comprising:
   - obtaining at least one fix point (step 804),
   - providing a travel scheme for fix points (step 802),
   - placing said at least one fix point in a travel scheme (step 806),

   in order to enable a portable electronic device (22, 700) to:

   - obtain at least one fix point related to the travel scheme (step 807),
   - obtain at least a link to electronic media data under the control of a user (step 808),
   - determine position of said user (step 810), and
   - associate said obtained data with said at least one fix point (step 816),

so that a link from said at least one fix point to the associated data can be provided to the user, in relation to said travel scheme.

7. Method for organizing data according to claim 6, further comprising the step:
   - providing access to data obtained by an electronic device by providing a link from the at least one fix point to the associated data, in relation to said travel scheme (step 820).

8. Portable electronic device (22, 700) arranged to at least partly organize data in relation to fix points of geographic locations, comprising:
   - a user input unit (710), arranged to receive user input data,
   - a positioning unit (714), arranged to determine the position of a user,
   - at least one data receiving unit (702, 706), arranged to obtain at least a link to electronic media data in dependence of user control via the user input unit, and
   - a control unit (712),

   wherein the control unit (712) is arranged to obtain at least one fix point of a geographic location (step 807), to receive positioning information obtained by the positioning unit (714), to associate the position of the user with a fix point (step 814), and to associate obtained data with said at least one fix point (816),
   so that a link from a fix point to the associated data can be provided to the user.

9. Portable electronic device (22, 700) according to claim 8, in which the control unit (712) further is arranged to associate the data obtained at the position of the user with the fix point associated with the position of the user (step 816).

10. Portable electronic device according to claim 8 or 9, further comprising:
    - an information presentation unit (708), arranged to present information by the control unit (712), under the control of the user.

11. Portable electronic device (22, 700) according to any one of claims 8-10, further comprising:
    - a memory unit (704), arranged to store data received from the at least one data receiving unit (702, 706) under the control of the control unit (712).

12. Portable electronic device (22, 700) according to any one of claims 8-11, in which the device is a mobile phone.

13. Electronic communication device (12, 32) for organizing data in relation to fix points of geographic locations, and arranged to:
    - obtain at least one fix point (step 804),

- provide a travel scheme for fix points (step 802),
- place said at least one fix point on said travel scheme (step 806),

in order to enable a portable electronic device (22, 700) to,

- obtain at least one fix point related to the travel scheme (step 807),
- obtain at least a link to electronic media data under the control of a user (step 808),
- determine position of said user (step 810), and
- associate said obtained data with said at least one fix point (step 816),

so that a link from said at least one fix point to the associated data can be provided to the user, in relation to said travel scheme.

14. Electronic communication device (12, 700), according to claim 13, further arranged to:
- provide access to data obtained by an electronic device, by providing a link from the at least a link from the at least one fix point to the associated data (step 820).

15. A computer program product (62) comprising a computer readable medium, having thereon computer program code means, to make a computer or an electronic device (22, 700) execute, when said program code means is loaded in the computer or the electronic device (22, 700):
- obtaining of at least one fix point related to a travel scheme (step 807),
- obtaining of at least a link to electronic media under the control of a user (step 808),
- receiving determined position of said user, and
- associating of said obtained data with said at least one fix point (step 816),

so that a link from said at least one fix point to the associated data can be provided to the user.

16. A computer program element comprising computer program code means to make a computer or an electronic device (22, 700) execute,
- obtaining of at least one fix point related to a travel scheme (step 807),
- obtaining of at least a link to electronic media under the control of a user (step 808),
- receiving determined position of said user, and
- associating of said obtained data with said at least one fix point (step 816),

so that a link from said at least one fix point to the associated data can be provided to the user.

17. A computer program product (62) comprising a computer readable medium, having thereon computer program code means, to make a computer (12, 32) execute, when said program code means is loaded in the computer (12, 32):
    - obtaining of at least one fix point (step 804),
    - providing of a travel scheme for fix points (step 802),
    - placing of said at least one fix point in said travel scheme (step 806),

    in order to enable the portable electronic device (22, 36, 700) to,

    - obtain at least one fix point related to the travel scheme (step 807),
    - obtain at least a link to electronic media data under the control of a user (step 808),
    - determine position of said user (step 810), and
    - associate said obtained data with said at least one fix point (step 816),

    so that a link from said at least one fix point to the associated data can be provided to the user, in relation to said travel scheme.

18. A computer program element comprising computer program code means to make a computer (12, 32) execute,
    - obtaining of at least one fix point (step 804),
    - providing of a travel scheme for fix points (step 802),
    - placing of said at least one fix point in said travel scheme (step 806),

    in order to enable the portable electronic device (22, 36, 700) to,

    - obtain at least one fix point related to the travel scheme (step 807),
    - obtain at least a link to electronic media data under the control of a user (step 808),
    - determine position of said user (step 810), and
    - associate said obtained data with said at least one fix point (step 816),

    so that a link from said at least one fix point to the associated data can be provided to the user, in relation to said travel scheme.

19. Electronic communication system comprising:
    - at least one electronic communication device (32),
    - at least one portable electronic device (36);

    in which system the at least one electronic communicating device (32) for enabling organizing data in relation to fix points of geographic locations is arranged to:

    - obtain at least one fix point (step 804),

- provide a travel scheme for fix points (step 802),
- place said at least one fix point on said travel scheme (step 806),

in which system the at least one portable electronic device (36) is arranged to at least partly organize data in relation to fix points of geographic locations, comprising:

- a user input unit (710), arranged to receive user input data,
- a positioning unit (714), arranged to determine the position of a user,
- at least one data receiving unit (702, 706), arranged to obtain at least a link to electronic media data in dependence of user control via the user input unit (710), and
- a control unit (712),

wherein the control unit (712) is arranged to obtain said at least one fix point of a geographic location (step 807), to receive positioning information obtained by the positioning unit, and to associate obtained data with said at least one fix point (step 816), so that a link from said at least one fix point to the associated data can be provided to the user.